

Quiz 1 – The Cell, DNA and Genes (Chapter 1)

K /10
T /2
C /4
A /3

Name: _____

Total / 19

1. Explain the function of each of cell components listed below.

6 K

Mitochondria -

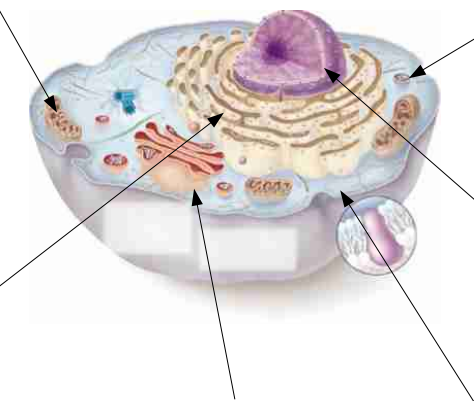
Ribosomes -

Golgi Body -

Vacuole -

Nucleus -

Cytoplasm -



2. a) Which organelle provides a plant cell with glucose?

2 K

b) Which organelle is responsible for burning glucose to give energy?

3. How is the chemical process of **photosynthesis** related to the chemical process of **respiration**?

2 T

4. What is the relationship between **DNA**, **genes** and **base pairs**? (Describe and sketch the relationship thoroughly, remembering to label accordingly)

3 A

5. What is **DNA Screening**? What is it used for?

2 C

6. Name the **4 stages of Mitosis** in their appropriate order

1)

2 K

2)

3)

4)

7. Describe what is a **tumour** and why may it be later diagnosed as **cancer**?

2 C